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In the United States Patent and Trademark Office

Appn. Number: 10/719,744
Appn. Filed: November 21, 2003
Applicant: Scott Edward Watson
Title: Simplified Flexural Pivot
Examiner/GAU: Devon C. Kramer/3683

San Jose, California, September 19, 2005

Amendment A

Commissioner for Patents
Alexandria, Virginia 22313-1450

Sir:

In response to the Office Action mailed June 20, 2005, please amend the above application as follows:

Title: Change to — Flexural Pivot Utilizing Preloaded Curved Flexible Members, Sharing a Common Tangency

Specification:

Page 4, first complete paragraph, replace with the following new paragraph:

--Further, the rotating and fixed housings of the Lucas pivot are complex forms, generally requiring wire electron-discharge machining, as well as conventional lathe and milling machine operations. Assembly of the flexures into the inner diameters of these tubular housings is difficult, especially for small pivots and small tubular diameters.

Page 7, last paragraph (extends to page 8), replace with the following new paragraph:

--As shown in Fig 2, spot welds 103, produced by such methods as resistance, laser, ultrasonic or radio frequency, are the preferred methods of affixing the flexure system 200 to the stationary post 100. Spot welds 303 are the preferred methods of affixing the flexure system 200 to the movable post 300. Alternatively, adhesives, such as epoxies, glues, contact